

DOGEL', V.A.; RESHETNYAK, V.V.

Materials on the radiolaria of the northwestern part of the Pacific Ocean.
Issl.dal'nevost.mor.SSSR 3:95-98 '52. (MIRA 6:7)
(Pacific Ocean--Radiolaria) (Radiolaria--Pacific Ocean)

REZHENYAK, V. V.

Infusoria

Effect of temperature on phagocytosis in paramecia. Uch. zap. Len. un. No. 141, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1953. Uncl.

RESHETNYAK, V.V.

New species of Radiolaria of the Okhotsk Sea. Trudy Zool.inst. 13:
33-37 '53. (MLRA 7:5)
(Okhotsk Sea--Radiolaria) (Radiolaria--Okhotsk Sea)

1. DOGEL', V.; RESHETNYAK, V. V.
2. USSR 600
4. Radiolaria
7. Condition of different radiolaria Nassellaria in the water during floating,
Zool. zhur, 32, No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

AKUMUSHKIN, I.I.; BARANOVA, Z.I.; BRODSKIY, K.A.; VIRKSTIS, M.A.;
 VOLODCHENKO, N.I.; GALKIN, Yu.I.; GUR'YANOVA, Ye.F.; DOGDEL'
 V.A.; D'YAKONOV, A.M.; ZEVINA, G.B.; IVANOV, A.V.; KIR'YANOVA,
 Ye S.; KOPYAKOVA, Z.I.; KOLTUN, V.M.; KONZHUKOVA, Ye.D.;
 KOROTKEVICH, V.S.; KLYUGA, G.A.; LOZINA-LOZINSKIY, L.K.;
 LOMAKINA, N.B.; NAUMOV, D.V.; PERGAMENT, T.S.; ~~RUSSETNIYAK~~,
 V.V.; SAVEL'YEVA, T.S.; SKARLATO, O.A.; SOKOLOV, I.I.;
 STRELKOV, A.A.; TARASOV, N.I.; USHAKOV, P.V.; SHCHEDRINA, Z.G.
 YAKOVLEVA, A.M.; USHAKOV, P.V., obshchiy rukovoditel';
 PAVLOVSKIY, Ye.N., akademik, redaktor; STRELKOV, A.A. redaktor;
 BRODSKIY, K.A., redaktor; ARONS, R.A., tekhnicheskii redaktor.

[Atlas of invertebrates of the Far East seas of the U.S.S.R.]
 Atlas bespozvonochnykh dal'nevostochnykh morei SSSR. Moskva,
 Izd-vo Akad.nauk SSSR, 1955. 240 p., 66 plates. (MLRA 8:10)

1. Akademiya nauk SSSR. Zoologicheskii institut.
 (Soviet Far East--Invertebrates)

RESHETNYAK, V.V.

New species of giant radiolaria of the genus *Cytocladus* Schr.
from the Bering Sea. Trudy Zool. inst. 18:10-12 '55.
(Bering Sea--Radiolaria) (MLRA 9:2)

RESHETNYAK, V.V.

Vertical distribution of Radiolaria in the Kurile-Kamchatka Trench.

Trudy Zool.inst. 21:94-101 '55.

(MLRA 9:5)

(Kurile Trench--Radiolaria)

RESHETNYAK, V. V.

RESHETNYAK, V. V. "Deep-water Radiolaria of the order Phaeodaria from the Northwestern Portion of the Pacific Ocean."
Zoological Inst, Acad Sci USSR. Leningrad, 1956.
(Dissertation for the Degree of Candidate of Biological Science)

So: Knizhaya Letopis', No. 17, 1956

DOGEL', V.A. [deceased]; ~~RESHETNYAK, V.V.~~

Radiolarians of Far Eastern Seas. Trudy probl.i tem.sov. no.6:
72-76 '56. (MLRA 9:11)

1. Zoologicheskii institut AN SSSR.
(Soviet Far East--Radiolaria)

STRELKOV, A.A.; RESHETNYAK, V.V.

A new life form of radiolarians. Zool.zhur. 38 no.3:355-361
Mr '59. (MIRA 12:4)

1. Zoological Institute of the Academy of Sciences of the
U.S.S.R. (Leningrad).
(Pacific Ocean--Radiolaria)

RESHETNYAK, V.V.

Using the method of wood compression with simultaneous
gluing in the manufacture of bearing bushings and inserts.
Der. prom. 15 no.1:27 Ja '66. (MIRA 19:1)

RESHETNYAK, V.V.

Phaeodaria (Radiolaria) of the Antarctic waters. Trudy Zool.
inst. 35:67-78 '65. (MIRA 19:1)

1. Zoologicheskii institut AN SSSR.

RESHETNYAK, V.V., inzh.

New technology of manufacturing bent and glued legs for chairs.
Der. prom. 10 no.8:24 Ag '61. (MIRA 14:8)

1. Vorontsovskiy domostroitel'nyy fanernyy kombinat (Voronezhskaya oblast').
(Chairs)

LINDBERG, G.U.; SHCHEDRINA, Z.G.; DOGEL', V.A.; RESHETNYAK, V.V.; STRELKOV, A.A.; KOLTUN, V.M.; NAUMOV, D.V.; IVANOV, A.V.; BYKHOVSKIY, B.Ye. ZHUKOV, Ye.V.; PERGAMENT, T.S.; KOROTKEVICH, V.S.; USHAKOV, P.V.; KLYUGE, G.A.; ANDROSOVA, Ye.I.; GOSTILOVSKAYA, M.G.; BRODSKIY, K.A.; GUSEV, A.V.; TARASOV, N.I.; GUR'YANOVA, Ye.F.; VAGIN, V.L.; LOMAKINA, N.B.; BULYCHEVA, A.I.; KOPYAKOVA, Z.I.; LOZINO-LOZINSKIY, L.K.; YAKOVLEVA, A.M.; GALKIN, Yu.I.; SKARIATO, O.A.; AKIMUSHKIN, I.I.; D'YAKONOV, A.M.; BARANOVA, Z.I.; SAVEL'YEVA, T.S.; SKALKIN, V.A.

List of the fauna of marine waters of southern Sakhalin and southern Kuriles. Issl.dal'nevost.mor.SSSR no.6:173-256 '59. (MIRA 13:3)

1. Zoologicheskii institut AN SSSR.
(Sakhalin--Marine fauna)
(Kurile Islands--Marine fauna)

RESHETNĬAK, V. Z.

ANDRIYEVSKIY, I. I. (Lieutenant Colonel, Veterinary Service) and RESHETNĬAK, V. Z.
(Captain, Veterinary Service). On the problem of virus abortion of horses.

So: Veterinariya; 24; 9; September 1947; Uncl.
TABCON

RESHETNYAK, V. Z.

PA 63/49 T99

USSR/Medicine - Theileria, Carriers Mar 49
Medicine - Ticks

"A New Carrier of Theileria in Large Horned Cattle,"
V. Z. Reshetnyak, Cand Vet Sci, L. V. Genina, Jr
Sci Collaborator, Rostov Oblast Vet Experimental
Sta, 2 pp

"Veterinariya" No 3

Known carriers of the Theileria annulata include
the ticks H. detritum, H. savignyi, H. asiaticum, and
H. turcomanense. Observations and experiments
proved that H. scupense is also a carrier of theileria
in large horned cattle on Rostov Oblast. This form

63/49T99

USSR/Medicine - Theileria, Carriers Mar 49
(Contd)

of tick must now be considered also a carrier of
hemosporidium, along with other carriers, and an
ectoparasite. Tick-extermination measures must
make provisions for its elimination.

63/49T99

RESHETNYAK, V. Z., Cand. of Vet. Sci.; GENIKA, L. V.
"Investigation of carboline as an anti-mange agent."
SO: Vet. 26 (8), 1949, p. 51

RESHETNIKOV, V. Z. and ROMANOV, M. D.

Rostov Oblast Veterinary Experimental Station

"From the experience of the fight against the tick *Hyalomma scupense*."

SO: Vet. 27 (4) 1950, p. 20

RESHETNYAK, V. Z., PUKHOV, V. I. and KRIVOSHTA, YE YE

Materialy K Poznaniyu Immunologicheskoy Diagnostiki pri Diktiokauzeze
Ovets, "Works on Helminthology" on the 75th Birthday of K. I. Skeyabin, Izdat,
Akad, Nauk, SSSR, 1953, p. 572

Stavropol' Sci. Res. Veterinary Experiment Station.

RESHETNYAK, V. Z.

(Vasiliiy Zinov'yevich)

"Teylorosis of Cattle in Rostov Oblast (Epizootiology, Clinical Aspects, Diagnosis, therapy, and Prophylaxis)," Dissertation) Academic degree of Doctor in Veterinary Sciences, based on his defense, 22 December 1953, in the Council of the Khar'kov Veterinary Inst.

Novocherkassk Zooveterinary Inst im. First Cavalry Army.

10-3, 54, 178, 28/57

RESHETNYAK, V.Z., doktor veterinarnykh nauk; PAKHOMOVA, N.G., veterinarnyy vrach;
LYUTOV, N.F., veterinarnyy vrach; SERIPKINA, N.A., veterinarnyy vrach.

The tick *Hyalomma scupense* p.sch. as a vector of the pathogen of anaplasmosis
in cattle. Veterinariia 33 no.9:39-40 S '56. (MIRA 9:10)

1. Nevecherkasskiy zooloogicheskii institut.
(Anaplasmosis) (Ticks as carriers of disease)

RESHETNYAK, V.Z., prof.

Toxoplasmosis of hens. Veterinariia 41 no.1:65-67 Ja '64.
(MIRA 17:3)

1. Donskoy sel'skokhozyaystvennyy institut.

RESHETNYAK, V.Z., prof.

Results of testing a vaccine against spirochetosis in poultry under
laboratory conditions and on the farm. Veterinariia 40 no.9:34-36
S '63. (MIRA 17:1)

1. Donskoy sel'skokhozyaystvennyy institut.

RESHETNYAK, V.Z., prof.; PAKHOMOVA, N.G., veterinarnyy vrach;
-- SKRIPKINA, N.A., veterinarnyy vrach

Trichomoniasis in poultry. Veterinariia 37 no.9:41-44
S '60. (MIRA 14:11)

1. Novocherkasskiy zooveterinarnyy institut.
(Trichomoniasis)
(Poultry--Diseases and pests)

RESHETNYAK, V.Z., doktor veterinarnykh nauk

Biological preparations for use in spirochetosis (treponemosis)
in poultry. Veterinariia 36 no.7:42-43 J1 '59.
(MIRA 12:10)

1. Novocherkasskiy zooveterinarnyy institut.
(Spirochetosis) (Vaccines)

RESHETNYAK, V. Z. (Professor), PAKHOMOVA, N. G. and SKRIPKINA, N. A. (Veterinary Surgeons, Novocherkassk Zooveterinary Institute).

"To the question of trichomoniasis of domestic ~~XXXX~~ fowls".

Veterinariya, Vol. 37, No. 9, p. 41, 1960.

RESHETNYAK, Ye.G.

Periodical and pitch errors of the micrometer screw of the
MIR-12 measuring microscope. Izv.GAO 20 no.1:132-138 '55.

(MIRA 13:5)

(Microscope--Testing)

RESHETNYAK, Yu.G.

An extremal problem from the theory of convex curves. Usp.mat.nauk 8
no.6:125-126 M-D '53.

(MLBA 6:12)

(Curves)

USSR/Mathematics - Integration

FD-1166

Card 1/1 Pub. 118-7/30

Author : Kostelyanets, P. O., and Reshetnyak, Yu. G.

Title : Determining a completely additive function from its values in half-spaces

Periodical : Usp. mat. nauk, 9, No 3(61), 135-140, Jul-Sep 1954

Abstract : The author solves the problem posed by A. N. Kolmogorov in his article "Mathematical problematics. Problem No 16," Usp. Mat. Nauk, Vol. 5, 1938. Its solution was obtained in first of 1941 by P. O. Kostelyanets, a student at Leningrad University, who later died in the war. A similar solution was later obtained independently by aspirant Yu. G. Reshetnyak. The same problem was again solved independently by A. A. Khachaturov, who published his article in this same journal issue, page 205. The problem is: Consider completely additive nonnegative functions defined for all Borel sets of n -dimensional Euclidean spaces R^n ; it is required to show by a direct method that a function $F(E)$ is uniquely determined by the assignment of its values for all half-spaces, i.e. for sets defined by equalities of the type $\{a_1x_1 + b \leq 0$, where $F(R^n) < \infty$. Three references.

Institution :

Submitted : July 14, 1953

RESHETNYAK, Yu. G.

Reshetnyak, Yu. G. Isothermal coordinates in manifolds of bounded curvature. Doklady Akad. Nauk SSSR (N.S.) 94, 631-633 (1954). (Russian)

Let R be a surface of bounded curvature and M a subset of R homeomorphic to a circle whose boundary has a geodesic curvature of bounded variation. Then in M coordinates x, y can be introduced such that the line element of R takes the form $\lambda(x, y)(dx^2 + dy^2)$. With $z = x + iy$ the function $\lambda(x, y) = \lambda(z)$ is given by

$$\lambda(z) = \exp \left\{ \frac{1}{\pi} \int_M \int_M \log(|z - \zeta|^{-1}) \omega(dE_\zeta) + h(z) \right\},$$

where $\omega(dE_\zeta)$ is the integral curvature of the arc element dE_ζ of M at ζ and $h(z)$ is a harmonic function.

H. Busermann (Göttingen).

- Call Nr: AP 1108825
- Transactions of the Third All-union Mathematical Congress (Cont.) Moscow, Jun-Jul '56, Trudy '56, V. 1, Sect. Rpts., Izdatel'stvo, AN SSSR, Moscow, 1956, 237 pp.
- Pogorelov, A. V. (Khar'kov). The Surfaces of Bounded Exterior Curvature. 163
- Poznyak, E. G. (Moscow). Approximation of Infinitely Small Deformations for Spaces of Zero Curvature. 163-164
- Reshetnyak, Yu. G. Integral-geometric Method of the Theory of Curves. 164
- Reshetnyak, Yu. G. (Leningrad). Integration on Convex Polyhedron, and Some Questions Relating to the Theory of Linear Inequalities. 164-165
- Rozenfel'd, B. A. (Moscow). Non-Euclidian Geometry and Simple Lie Groups. 165
- Rybakov, V. N. (Moscow). Congruence Ruled Surfaces G, and G Bundles on Surfaces. 165-166

Card 53/80

~~RESHETNYAK, YU. G.~~ ~~RESHETNYAK, Ju. G.~~
RESHETNYAK, YU. G.

SUBJECT USSR/MATHEMATICS/Geometry CARD 1/1 PG - 626
AUTHOR RESHETNYAK Ju.G.
TITLE On a generalization of convex surfaces.
PERIODICAL Mat.Sbornik, n.Ser. 40, 381-398 (1956)
 reviewed 2/1957

The author considers $(n-1)$ -dimensional surfaces in the n -dimensional Euclidean space, where the surfaces are distinguished by the fact that every point of these surfaces can be touched with a sphere of given radius $\delta > 0$ and thereby inside of the sphere no surface points are lying. Such surfaces are denoted as O_δ -surfaces. The principal result of the present paper is the assertion that the shortest on an arbitrary O_δ -surface is a curve of finite swinging (the curve K has a finite swinging in E_n if the left hand derivative of the radius vector of an arbitrary point with respect to the arc length is a function of bounded variation). Furthermore it is proved that all O_δ -surfaces are representable by a difference of convex functions (see: Aleksandrov, Doklady Akad.Nauk 72, 613-616 (1950)). Several results of the present paper are generalizations of results of Libermann (Doklady Akad.Nauk 32, 310-313 (1941)). The theorems partially are announced without proof.

RESHETNYAK, Yu.G.

One method of transforming a nonconvex broken line into a convex
broken line. Usp.mat.nauk 12 no.3:189-191 My-Je '57. (MIRA 10:10)
(Geometry. Plane)

RESHETNYAK, Yu.G.

The method of orthogonal projections in the theory of curves [with
summary in English]. Vest. LGU 12 no.13:22-26 '57. (MIRA 10:11)
(Curves) (Projection)

RESHETNYAK, Yu.G.

Studying sets of limited curvature by means of isothermal coordinates. *Izv.Sib.otd.AN SSSR* no.10:15-28 '59. (MIRA 13:4)

1. Institut matematiki Sibirskogo otdeleniya AN SSSR.
(Aggregates)

RESHETNYAK, Yu.G.

Isothermic coordinates in manifolds of bounded curvature.
Part 1. Sib.mat.zhur. 1 no.1:88-116 My-Je '60. (MIRA 13:11)
(Conformal mapping)

RESHEPIYAK, Yu.G.

Isothermic coordinates in sets of limited curvature. Part 2. .
Sib..mat. zhur. 1 no.2:248-276 J1-Ag '60. (MIRA 13:12)
(Aggregates)

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S/039/60/052/003/001/007
C 111/ C 333

AUTHOR: Reshetnyak, Yu. G. (Novosibirsk)

TITLE: On the Theory of the Spaces,¹⁰ the Curvature of Which is not Greater Than K

PERIODICAL: Matematicheskiy sbornik, 1960, Vol.52, No. 3, pp.789-798

TEXT: The author uses notions and notations from the paper (Ref.1) of A. D. Aleksandrov. Deviating from (Ref.1), the author defines a space with curvature not greater than K to be domain R_K of this space for which: 1.) Every two points of R_K can be connected by a geodesic. 2.) For every triangle contained in R_K , the perimeter of which is

$$< \frac{2\pi}{K} \quad \text{for } K = k^2 > 0,$$

the excess relative to K is not positive.

Theorem I: If two spaces R' and R'' with curvatures not greater than K are drawn together by identifying the isometrically corresponding points of two isometric compact conex sets $V' \subset R'$ and $V'' \subset R''$, then this process leads to a space with curvature not greater than K.

Theorem 2. § 4 of (Ref. 1) is generalized as follows:

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On the Theory of the Spaces, the Curvature of Which is not Greater Than K

Theorem II: To every closed rectifiable curve L, the perimeter of which is $< \frac{2\pi}{K}$ for $K = k^2 > 0$, on the surface S_K there exists a convex closed curve M such that there is a rectifying mapping of L on M.

S_K denotes for $K > 0$ the hemisphere of radius $\frac{1}{\sqrt{K}}$, for $K = 0$ the Euclidean plane.

The property given in theorem II characterizes completely the spaces considered.

Theorem III: Let $L_1, L_2 \in R_K$ be two curves connecting the points $X, Y \in R_K$; let l_1 and l_2 be the lengths of L_1, L_2 ; $S = S(X, Y)$ the distance between X and Y; $d = S(L_1, L_2)$ the Frechet distance between L_1 and L_2 . For $K = k^2 > 0$ let

$$l_1 < \frac{\pi}{K}, l_2 < \frac{\pi}{K} \quad .$$

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On the Theory of the Spaces, the Curvature of Which is not Greater Than K

Then it is $d \leq h(1, \vartheta) + h(1, \vartheta)$, where $h(1, \vartheta)$ denotes the height of the isosceles triangle, the base of which possesses the length ϑ and the lateral length of which is $1/2$.

Theorem III is proved with the aid of theorem II. Aleksandrov (Ref.6) gave another proof.

There are 2 figures, and 6 references: 4 Soviet, 1 German and 1 Swedish.

[Abstracter's note: (Ref. 1) is a paper of A. D. Aleksandrov in Trudy Matem. in-ta imeni V. A. Steklova, 1951, t. 38, 5-23].

SUBMITTED: October 21, 1958

Card 3/3

67906

16(T) 16.2600 16.3500

SOV/20-130-3-6/65

AUTHOR: Reshetnyak, Yu.G.

TITLE: A Sufficient Test for the Continuity of a Mapping According to Hölder

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol 130, Nr 3, pp 507-509 (USSR)

ABSTRACT: Let $y(x) = (y_1(x), y_2(x), \dots, y_m(x))$ be a continuous mapping of the open domain M of E^n into E^m , $m \geq n$. Let $y(x) \in W_p^1(M)$, if every $y_k(x)$ in M possesses generalized partial derivatives of 1-th order in the sense of S.L. Sobolev which are summable on every compact $F \subset M$. Let

$$\lambda[x; y] = \sum_{i=1}^m \sum_{j=1}^n \left[\frac{\partial y_i(x)}{\partial x_j} \right]^2$$

Let $Q(x_0, r)$ be the sphere $\|x - x_0\| < r$ and $S(x_0, r)$ the sphere $\|x - x_0\| = r$ in E^n . For every measurable $\lambda(x) \geq 0$ let

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A Sufficient Test for the Continuity of a Mapping
According to Hölder

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$$V_{\lambda}(x,r) = \int_{Q(x,r)} [\lambda(x)]^{n/2} dx_1 \dots dx_n ; F_{\lambda}(x,r) = \int_{S(x,r)} [\lambda(x)]^{\frac{n-1}{2}} d\sigma$$

The mapping $y(x)$ is said to belong to the class $I(k)$, $0 < k < 1$, if for every $x \in M$ with $0 < r \leq r_0(x)$, where $r_0(x)$ is the distance from x to the boundary of M , it holds

$$(1) \quad [F_{\lambda}(x,r)]^n \geq (n k)^{n-1} \omega_{n-1} [V_{\lambda}(x,r)]^{n-1},$$

where $\lambda(x) = \lambda(x,y)$ and ω_{n-1} is the surface of $S(0,1)$.

Theorem 1 : If $y(x) \in I(k)$, then for every compact set $F \subset M$ and $x_1, x_2 \in F$ it holds :

$$\|y(x_1) - y(x_2)\| \leq A \|x_1 - x_2\|^k,$$

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A Sufficient Test for the Continuity of a Mapping
According to Hölder

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where A only depends on $d = \inf_{x \in F} r_0(x)$ and $\|\lambda\|_{L_{\frac{n}{2}}(F)} =$

$$= \left(\int_F [\lambda(x)]^{\frac{n}{2}} dx_1 \dots dx_n \right)^{\frac{2}{n}}.$$

Theorem 2 gives the application of theorem 1 to a result of
A.G. Sigalov [Ref 3_] on the existence of the minimum of the
integral

$$(5) I(x, Q) = \int_Q F(x, x_u \times x_v) du dv, \quad Q: 0 \leq u \leq 1, 0 \leq v \leq 1$$

It is shown that the function $x(u, v) \in W_2^1(Q)$ realizing this
minimum satisfies in Q the Hölder condition with the exponent

$k = \frac{m}{M}$, where m and M are given by $0 < m \|a\| \leq F(x, a) \leq M \|a\|$.

Theorem 3 : Quasi-conformal mappings with coefficient q of the

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A Sufficient Test for the Continuity of a Mapping
According to Hölder

SOV/20-130-3-6/65

sphere $Q \{ \|x\| < 1 \}$ into itself satisfy on every compact set
 $F \subset Q(0,1)$ a Hölder condition, the exponent of which only de-
pends on q , and the coefficient of which depends on q and F .

There are 3 references, 2 of which are Soviet, and 1 American.

PRESENTED: October 16, 1959, by M.A. Lavrent'yev, Academician
SUBMITTED: October 9, 1959

Card 4/4

68598

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16(1) 16.2600 16.5200

5/020/60/130/05/007/061

AUTHOR: Reshetnyak, Yu.G.

TITLE: Integration Over a Convex Polyhedron and Some Problems in the Theory of Linear Inequalities

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol 130, Nr 5, pp 981-983 (USSR)

ABSTRACT: Let M be the set of the points $X(x_1, x_2, \dots, x_n)$ which are solutions of the system of inequalities

$$(1) \quad f_j(X) = \sum_{k=1}^n a_{jk} x_k + b_j \geq 0 \quad j = 1, 2, \dots, m.$$

The author investigates the calculation of the integral of the function $\varphi(X) = \exp \{ a_1 x_1 + \dots + a_n x_n \}$ on the closed domain M . Starting from the integral

$$(2) \quad \frac{1}{2\pi i} \int_{1-i\infty}^{1+i\infty} \frac{e^{x\zeta}}{\zeta} d\zeta = \begin{cases} 1 & \text{for } x > 0 \\ 1/2 & \text{for } x = 0 \\ 0 & \text{for } x < 0 \end{cases},$$

Card 1/2 in which it is put $x = f_j(X)$, the author develops an algorithm

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which permits to carry out this calculation in finitely many steps under certain assumptions. The algorithm has a formal character, since the convergence of the occurring complex integrals is not investigated.

The proposed algorithm can be used in order to eliminate inequalities from (1) which are a consequence of the other ones; furthermore for determining supporting planes of M which are parallel with a given plane.
There is 1 Soviet reference.

ASSOCIATION: Matematicheskii institut Sibirskogo otdeleniya Akademii nauk SSSR (Mathematical Institute of the Siberian Section of the Academy of Sciences of the USSR)

PRESENTED: November 27, 1959, by V.I. Smirnov, Academician

SUBMITTED: November 27, 1959

Card 2/2

67876

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~~16(1)~~ 16.5600

S/020/60/130/06/005/059

AUTHOR: Reshetnyak, Yu.G.

TITLE: Conformal Mappings of Spaces

PERIODICAL: Doklady Akademii nauk SSSR, 1960, Vol 130, Nr 6, pp 1196-1198 (USSR)

ABSTRACT: With the aid of seven lemmas and without any assumptions on the differentiability of the mapping the following theorem is proved:
Theorem: Every conformal mapping in the n -dimensional Euclidean space E_n is a combination of finitely many inversions for $n \geq 3$.
The author mentions M.A.Lavrent'yev, and S.L.Sobolev.
There are 5 references, 4 of which are Soviet, and 1 Dutch.

PRESENTED: October 16, 1959, by M.A.Lavrent'yev, Academician

SUBMITTED: October 9, 1959

X

Card 1/1

RESHETNYAK, Yu.G. (Novosibirsk)

Remark on the problem of calculating complex roots of a
polynomial by the Newton method. Zhur. vych. mat. i mat.
fiz. 1 no.6:1097-1098 N-D '61. (MIRA 16:7)

RESHETNYAK, Yu.G.

One theorem of convergence for functionals of additive vector-
functions of a set. Sib. mat. zhur. 2 no.1:115-126 Ja-F '61.

(MIRA 14:6)

(Aggregates)

RESHETNYAK, Yu.G.

Isoperimetric property of two-dimensional manifolds with a
curvature not exceeding K . Vest.LGU 16 no.19:58-76 '61.

(MIRA 14:10)

(Spaces, Generalized)

(Curvature)

RESHETIYAK, Yu.G. (Novosibirsk)

One special representation of a cone on a polyhedron. Mat.
stor. 53 no. 1:39-52 Ja '61. (MIRA 14:2)
(Convex domains)

DATE: 11/11/2011

System of the coupling of the elements of a computer system. Tech. Syst.
no. 301-25 1/2. (MIRA 22:3)

NESEKHIN, Yu.S.

Geometry in the large. Izv. Sib. otd. AN SSSR no. 14:25-37 '62
(MIRA 17:8)

1. Institut matematiki Sibirskogo otdeleniya AN SSSR, Novosibirsk.

RESHETNYAK, Yu.G.

One special mapping of a cone into a manifold with bounded
curvature. Sib.mat.zhur. 3 no.2:256-272 Mr-Ap '62. (MIRA 15:4)
(Transformations (Mathematics)) (Cone)
(Distance geometry)

RESHETNYAK, Yu.G.

Nonrigid surfaces of revolution. Sib. mat. zhur. 3 no.4:591-604
Jl-Ag '62. (MIRA 15:7)
(Surfaces)

RESHETNYAK, Yu.G.

New proof of the theorem of the existence of an absolute
minimum for two-dimensional variational problems in the
parametric form. Sib. mat. zhur. 3 no.5:744-768 S-0 '62.
(MIRA 15:9)

(Calculus of variations)

RESHETNYAK, Yu.G.

Length of a curve in a manifold of bounded curvature with an
isothermal linear element. Sib.mat.zhur. 4 no.1:212-226 Ja-P
'63. (MIRA 16:2)

(Spaces, Generalized)

RESHETNYAK, Yu.G.

Turn of a curve in a manifold of limited curvature with an isothermal
linear element. Sib. mat. zhur. 4 no.4:870-911 J1-Ag '63.
(MIRA 16:9)

RESHETNYAK, Yu.G.

Stability in Liouville's theorem on conformal mappings of a space. Dokl. AN SSSR 152 no.2:286-287 S '63. (MIRA 16:11)

1. Predstavleno akademikom S.L. Sobolevym.

RESHETNYAK, Yu.G.

Shortest lines on a Liapunov surface with a metric of finite curvature. Sib. mat. zhur. 5 no. 2:477-479 Mr-Apr '64.

(MIRA 17:5)

ACCESSION NR: AP4019470

S/0133/64/000/003/0216/0218

AUTHORS: Samsonov, G. V.; Reshetnyak, Yu. S.; Vlasov, K. R.

TITLE: Applying thermocouples encased in zirconium diboride for continuous measurement of liquid metal temperature in an oxygen converter

SOURCE: Stal', no. 3, 1964, 216-218

TOPIC TAGS: thermocouple, chromel-alumel thermocouple, zirconium diboride protective casing, oxygen converter, liquid metal temperature, continuous temperature measurement

ABSTRACT: The chromel-alumel thermocouples clad in three-layer protective casings of ZrB_2 were used for a continuous measurement of liquid metal temperature in a converter during the process of oxygen blowing. The protective casings were 15 mm in diameter and 140-150 mm long, with a wall thickness of 2 mm. The thermocouples were installed in the refractory lining of the converter at different distances from the bottom in such a way that their ends protruded into the converter for 22 to 38 mm. These ends were made of 3 layers, one of alundum, one of ZrB_2 , and one of aluminum oxide powder poured between the other two layers. ZrB_2 was produced by

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ACCESSION NR: AP4019470

mixing fine zirconium diboride powder with a starch glue (140 grams of glue per 1 kg of ZrB_2 powder). The mixture was cooked until it became transparent, then pressed and baked at 2150-2200C for 40 minutes. The authors believe that the use of such protective coatings will aid substantially in the automation of the melting process. Orig. art. has: 5 figures.

ASSOCIATION: none

SUBMITTED: 00

DATE ACQ: 27Mar64

ENCL: 00

SUB CODE: ML

NO REF SOV: 005

OTHER: 000

Card 2/2

KOCHO, V.S., doktor tekhn. nauk; PAYZANSKIY, L.D.; RESHETNYAK, Yu.S.;
BOYCHENKO, B.M.

Thermal conditions in an oxygen-blown converter. Met. i
gornorud. prom. no.4:16-20 J1-Ag '65. (MIRA 18:10)

1. Kiyevskiy politekhnicheskii institut (for Kocho, Payzanskiy).
2. Dnepropetrovskiy metallurgicheskii institut (for Reshetnyak, Boychenko).

LAPITSKIY, V.I.; RESHETNYAK, Yu.S.

Metal and slag composition during the blowing of converters by
oxygen. Izv. vys. ucheb. zav.; chern. met. 6 no.8:54-56 '63.
(MIRA 16:11)

1. Dnepropetrovskiy metallurgicheskiy institut.

SAMSONOV, G.V.; RESHETNYAK, Yu.S.; VLASOV, K.R.

Using thermocouple sheaths of zirconium diboride for the continuous measurement of the temperature of liquid metal in oxygen-blown converters. Stal' 23 no. 3:216-218 Mr '64. (MIRA 17:5)

RESHETNYAK, Yu. S., inzh.

Investigating causes of metal spilling from converters during
the blow. Met. 1 gornorud. prom. no. 1:22-24 Ja-P '63.
(MIRA 16:4)

1. Dnepropetrovskiy metallurgicheskiy institut.

(Steel—Metallurgy) (Converters)

KOCHO, V.S., doktor tekhn.nauk; LAPITSKIY, V.I., doktor tekhn.nauk;
PAYZANSKIY, L.D.; RESHETNYAK, Yu.S.; RUBINSKIY, P.S.;
DRYSHLYUK, V.M.; KISLYY, P.S.

Measuring the temperature of the metal during the process of
smelting in a converter with a top oxygen blow. Met. i gornorud.
prom. no. 2:28-31 Mr-Ap '64. (MIRA 17:9)

BESENIN, M.Ye., inzh.; RESHETNYAK, Yu.V., inzh.; TARAS'YEV, V.I., inzh.;
FILATOV, I.A., inzh.; BRAGIN, K.F., inzh.

Supporting workings in deep mines. Ugol'. prom. no. 6:24-28 N-D '62.
(MIRA 16:2)

(Donets Basin—Mine timbering)

VOLOSHIN, N.Ye., inzh.; RESHETNYAK, Yu.V., inzh.; BERKOVICH, I.M., inzh.;
DERBASOV, T.M., inzh.; BALINCHENKO, I.I., inzh.

Sudden outbursts of sand rocks in the "Shcheglovka-Glubokaya"
mine. Shakht.stroi. 6 no.9:16-19 S '62. (MIRA 15:9)

1. Opornyy punkt Makeyevskogo nauchno-issledovatel'skogo instituta po bezopasnosti rabot v gornoy promyshlennosti, g.Donetsk (for Voloshin).
2. Shakhtostroitel'nyy trest Makeyevskogo rayona, Donbass (for Reshetnyak, Berkovich).
3. Makeyevskiy nauchno-issledovatel'skiy institut po bezopasnosti rabot v gornoy promyshlennosti (for Derbasov).
4. Opornyy punkt Makeyevskogo nauchno-issledovatel'skogo instituta po bezopasnosti rabot v gornoy promyshlennosti tresta Oktyabr'ugol' (for Balinchenko).

(Donets Basin--Rock pressure)
(Mining engineering)

SENEHOV, I.A.; SENEHOV, I.A.; SEMENYAK-MIKOLAY, A.I.

Effect of radiation-protective preparations on the vascular activity of the small intestine. Farm. i tolg. 29 no.3:351-356 Mya. 1963.
(MIRA 18:8)

1. Laboratoriya radiologii (zav. -- I.A. Senehov) Institut eksperimental'noy patologii i terapii ANU SSSR, Moskva.

RESHETNYAR, V. Z. i GENIRA, I. V.

25912

Ispytaniy karbolina kak proti vochesotochnopo sredstva. Veterinariya, 1949, No. 8.
s. 51-52.

SO: Letopis' No. 34

RESHETOROV, O.F.

Filling stacked molds. Lit. proizv. no. 4:30 Ap '55.
(Founding) (MIRA 8:6)

EXCERPTA MEDICA Sec 14 Vol 13/4 Radiology Apr 59

706. TRAUMATIC SHOCK IN CASES OF ACUTE EXPERIMENTAL RADIATION
SICKNESS (Russian text) - Reshetov A.I. - VESTN.KHIR. 1957, 79/12
(85-89 and 139)

127 rabbits and 25 dogs in differently advanced (from moderate to severe) conditions
of acute radiation sickness were used after previous bleeding to elucidate the re-
sponse to pain (sciatic nerve irritation by electric current). In the latent period of
radiation sickness the animals exhibited an adequate resistance to pain and the

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production of traumatic shock was not easy to achieve, more difficult than in non-irradiated animals and animals in other periods of the illness. Dogs were most sensitive during the advanced manifest stage of the disease, rabbits in the beginning of convalescence. Neuroplegic drugs proved to be effective in preventing hypersensitivity shock in these periods, whereas blood transfusion and antishock solution administered failed to improve the condition of the animals in such cases. The data obtained suggest that if possible an operative intervention should be resorted to in the latent period of the disease.

(XIV, 9*)

ZERNOV, A.I.; LISITSIN M.S. [deceased]; POPOV, V.I., prokhodtsev, I.I.;
RESHETOV, A.I.; RYZHKOV, S.V.; SITENKO, V.M.; CHISTOVICH, A.N.

Results in the treatment of cancer patients with semicarbazide
and cadmium. Vop. onk. 9 no.6:114-116 '65. (MIRA 17:8)

1. Iz Voenno-meditsinskoy ordena Lenina akademii imeni Kirova
(nachal'nik - prof. P.P. Goncharov). Adres avtorov: Leningrad,
K-9, ul. Lebedeva, 6, Voenno-meditsinskaya ordena Lenina
akademiya imeni Kirova.

RESHETOV, A.I.

Traumatic shock in acute experimental radiation sickness [with summary in English, p.139]. Vest.khir. 79 no.12:85-89 D '57.

(MIRA 11:1)

1. Iz kafedry obshchey khirurgii (nach. - prof. V.I.Popov)
Voyenno-meditsinskoy ordena Lenina skademi im. S.M.Kirova.
Adres avtora: Leningrad, ul. Lebedeva, d.8, klinika obshchey khirurgii.

(ROENTGEN RAYS, eff.

traum. shock in animals, course & prev.)

(SHOCK, exper.

traum., in x-irradiation of various animals, course & prev.)

POPOV, V.I.; RESHETOV, A.I.

Presternal esophagoplasty using the stomach. Grudn. khir. 5
no.3:74-78 My-Je'63 (MIRA 17:1)

1. Iz kafedry khirurgii (nachal'nik - prof. V.I.Popov) Vo-
yenno-meditsinskoy ordena Lenina akademii imeni Kirova. Adres
avtorov: Leningrad, Zagorodnyy pr., d. 47, Klinika obshchey
khirurgii Voenno-meditsinskoy ordena Lenina akademii imeni
Kirova.

RESHETOV, A.I.; FILIN, V.I.

Surgical technique in cancer of the esophagus in connection with the determination of the extent of the spread of the process.
Vop. onk. 8 no 12:18-21 '62. (MIRA 17:6)

1. iz kliniki obshchey khirurgii (nachal'nik - prof. V.I. Popov)
Voenno-meditsinskoy ordena Lenina akademii imeni Kirova, Lenin-
grad.

SEMENOV, N.K.; RESHETOV, A.I.

Treatment of tetanus. Sov. med. 25 no.3:64-71 Mr '61.
(MIRA 14:3)
1. Iz kafedry obshchey khiirurgii (nachal'nik - prof. V.I.Popov)
Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova.
(TETANUS)

RESHETOV, A. M.

"Matriiincynaya organizatsiya u nasi (moso)."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,
Moscow, 3-10 Aug 64.

1. RESHETOV, A.N.
2. USSR (600)
4. Technology
7. Polyisobutylenes and their use in technology. Moskva, Goskhimizdat, 1952.

9. Monthly List of Russian Accessions. Library of Congress, February, 1953. Unclassified.

POPOV. V.I., prof.; RESHETOV, A.O., kand.med.nauk.;FILIN, V.I.

Lengthening the stomach by a resection of the lesser curvature in prethoracic plastic surgery of the esophagus for cancer. Khirurgiia no.3:9-13 '63. (MIRA 16:5)

1. Iz kliniki obshchey khirurgii (nachal'nik - prof. V.I.Popov)
Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova.
(STOMACH--TRANSPLANTATION) (ESOPHAGUS--CANCER)
(ESOPHAGUS--SURGERY)

RESHETOV, A.V., inzhener.

Experience of innovators in Siberia with loading lumber with truck
cranes. Mekh.trudrab. 8 no.5:36-39 J1 '54. (MLBA 7:9)

(Siberia--Lumber--Transportation) (Lumber--Transportation--
Siberia)

RESHETOV, A. V.

7670. RESHETOV, A. V. -- Organizatsiya lesozagotovok s Vy-Vozkoy lesa v khlystakh v kazachins kom lespromkhoze tresta "Eniseyskles". Page 35 Po materialam Sib. Nauch.--issled. in-ta lesnoro khozyaystva i lesoekspluatatsii Sib NIILKHE. Novosibirsk, 1954, 56 S. S. ill. 20 ss (Vsesoyuz. nauch. INZH-tekh. O-VO lesnoy prom-sti i lesnogo khozyaystva VNITOLes. Zap.-Sibotd-niye). 1.000 ekz bespl.-- (55-3429) p
634.98:658.5(57.21) ~ 634.982.5:656.13

SO: Knizhnaya Letopsis', Vol. 7, 1955

RESHETOV, Aleksandr Vasil'yevich; ABRAMOV, D.A., redaktor; AGRANOVSKAYA,
N.D., redaktor izdatel'stva; SHITS, V.P., tekhnicheskii redaktor.

[Loading lumber in Siberian lumbering enterprises] Pogrushka lesa na
lesozagotovitel'nykh predpriyatiyakh Sibiri. Moskva, Gelesbunizdat,
1955. 45 p. (MIRA 9:6)
(Lumbering) (Loading and unloading)

RESHETOV, A. V. 1

7672. RASHETOV, A. V. I--Opyt raboty Timiryazevskogo lespromkhoza. (kombinat "Tomles"). M. - L., Goslesbumizdat, 1954. 60 s. s ill. 22 sm. (Grafik tsiklichnosti na lesozagotovkakh). 7.000 ekz. 1R. 10K. -- (55-4114)P
634.98:(658.561 & 658.513

SO: Knizhnaya Letopsis', Vol. 7, 1955

TEMENOV, A. V.

Work practice of the Timiriazev lumber camp. Moskva, Gosleskumizdat, 1954.
59 p. (Grafik tsiklichnosti na lesozagotovkakh)

RESHETOV, A.V., inzhener; ZADVORNAYA, P.M.; PETROVA, K.I.

Experience of outstanding Siberian electric saw operators.
Mekh.trud.rab. 8 no.2:15-17 Mr '54. (MLRA 7:3)
(Siberia--Lumbering) (Lumbering--Siberia)

RESHETOV, A.V.

New machinery used in lumbering along the Angara and its tributaries. Les. prom. 35 no.2:23-26 P '57. (MLRA 10:4)
(Angara Valley--Lumbering--Machinery)

USSR/Miscellaneous-Production

RESHETOV, A. V.

Card 1/1

Authors : Reshetov, A. V.; Zadvornaya, P. M.; and Petrova, K. I., Engineers

Title : Siberian lumberjacks' experiences with electric power saws

Periodical : Mekh. Trud. Rab., 2, 15 - 17., March 1954

Abstract : Report describes the experience of some Siberian lumberjacks who use electrical power saws for the felling of trees. One particular worker using a power saw TsNIIME-K5 attained a daily output of 250 m³ of logs (200% above the government standard). Other workers attained an efficiency of from 160 - 200 m³ per day as compared with the required norm of 116 m³. In addition to the increased output achieved by the use of power saws much fewer accidents have occurred since timber cutting was mechanized. Photo of electrical cutting operation is included.

Institution :

Submitted :

RESHETOV, A. V.

USSR/Miscellaneous - Timber industry

Card 1/1 : Pub. 71 - 11/17

Authors : Reshetov, A. V.

Title : The experiment of innovators on loading timber with mobile cranes in the forests of Siberia

Periodical : Mech. trud. rab. 5, 36-39, July 1954

Abstract : A narrative report is presented concerning the experiment of innovators on loading timber with mobile cranes (type K-32) in the Siberian forest preserves. General description of the mobile crane, and timber loading operations, are given. Table; drawings; diagrams.

Institution :

Submitted :

KOGAN, Yu.A., kandidat tekhnicheskikh nauk; RESHETOV, A.V., inzhener.

Hauling of tree-length logs with ZIS-21 double-axle truck trailers. Mekh.
trud.rab. 7 no.7:20-22 J1 '53. (MLRA 6:7)

(Lumber--Transportation)

RESHETOV, A.V., inzhener; TSEKHANOVSKIY, A.I., inzhener

Methods of loading tree length logs onto the rolling stock of
Siberian logging railroads. Mekh.trud. rab. 9 no.6:36-37 Je '55.
(MLRA 8:6)

(Loading and unloading) (Lumber--Transportation)

1. RESHETOV, A. V.
2. USSR (600)
4. Cranes, Derricks, Etc.
7. Automotive electric crane for loading timber.
Les. prom. 12 no.10, 1952
9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

RESHETOV, A. V.

Loading and Unloading

Advantages of cranes and automotive loaders. Les. prom. 12 No. 9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December ¹⁹⁵² ~~1953~~, Uncl.

RESHETOV, A. V.

Siberia - Lumbering

Coordinated operations brigades in Siberian lumber camps. Les. prom. 11 No. 7, 1951.

9. Monthly List of Russian Accessions. Library of Congress, December, 1952, 1953. Unclassified.

REUTERS, 17.

Lumbering

Stakhanov methods of loading lumber at the "Yeriyskiy" lumber enterprise.
Mekh.trud.rab., 6, No. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, June 1952 ~~1953~~, Uncl.

RESHETOV, Aleksandr Vasil'yevich; AKIMOV, A.I., red.; KUZ'MINYKH, A.A.,
red. izd.-va; SHIBKOVA, R.Ye., tekhn.red.

[Generalization of work practices in lumbering enterprises with
a high total output in Eastern Siberia] Obobshchenie opyta raboty
lesozagotovitel'nykh predpriyatii s vysokoi kompleksnoi vyrabotki
v Vostochnoi Sibiri. Moskva, Goslesbumizdat, 1962. 55 p.

(MIRA 16:3)

(Siberia, Eastern--Lumbering--Economic aspects)

L 11436-67 EWT(1)/FCC GW/GD
ACC NR: AT6021020

SOURCE CODE: UR/0000/65/000/000/0096/0100

AUTHOR: Pudovkin, I. M.; Pavlov, V. S.; Reshetov, B. P.; Ryazantsev, G. A.;
Tanichev, A. A. 31

ORG: none 12

TITLE: Some results of observations of secular variations in the geomagnetic elements of Kamchatka

SOURCE: AN SSSR. Institut fiziki Zemli. Nastoyashcheye i proshloye magnitnogo polya Zemli (The present and past of the earth's magnetic field). Moscow, Izd-vo Nauka, 1965, 96-100

TOPIC TAGS: geomagnetic field, geomagnetic drift, secular variation

ABSTRACT: Local and regional characteristics of secular variations in the geomagnetic field on Kamchatka were studied experimentally in 1961 and 1962. Regional differences in the average annual values of D, H, and Z are shown in Fig. 1. From these differences isopores are constructed. The variations ranged for δD from -5.5 to +2.4; for δH from 3 to 4 γ ; and for δZ from -19 to +22 γ . The quantity D was measured with an accuracy of $\pm 1'$. I, H with $\pm 5\gamma$, and Z with $\pm 13\gamma$. All three elements (δD , δH , δZ) clearly show the zonal structure of secular variations which agrees with the general orientation of the basic tectonic structure of Kamchatka. Local anomalies are illustrated in Fig. 2. According to these results, a complex morphological

Cord 1/4